

Serial No. 10/659,169
Docket No. CL 1518 US CNT

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Claims 1-25 (canceled)

Claim 26 (currently amended): A process for producing a blend of two or more polyethylenes, comprising the step of contacting:

- (1) ethylene;
- (2) one or more separately added α -olefins of the formula $R^{18}CH=CH_2$, wherein R^{18} is alkyl, wherein R^{18} has an even number of carbon atoms;
- (3) a first active polymerization catalyst under conditions to copolymerize ethylene and the separately added α -olefins; and
- (4) a second active polymerization catalyst under conditions to polymerize ethylene, but ~~not readily~~ has little or no tendency to copolymerize ethylene and α -olefins,
and provided that said first and said second active polymerization catalysts are selected from the group consisting of Ziegler-Natta catalysts and metallocenes.

Claim 27 (previously presented): The process as recited in claim 26 wherein a series of α -olefins of the formula $R^{18}CH=CH_2$ are present.

Claim 28 (currently amended): The process as recited in claim 26 wherein the second active polymerization catalyst is chemically different than the first active polymerization catalyst, ~~and has little or no tendency to copolymerize ethylene and α -olefins.~~

Claim 29 (canceled)

Serial No. 10/659,169
Docket No. CL 1518 US CNT

Claim 30 (previously presented): The process as recited in claim 26 wherein the first polymerization catalyst is a metallocene-type catalyst.

Claim 31 (previously presented): The process as recited in claim 26 wherein the first polymerization catalyst and second polymerization catalyst are supported.

Claim 32 (previously presented): The process as recited in claim 31 carried out in the gas phase.

Claim 33 (currently amended): The process as recited in claim 32 wherein the second active polymerization catalyst is chemically different than the first active polymerization catalyst, ~~and has little or no tendency to copolymerize ethylene and α -olefins.~~

Claim 34 (canceled)

Claim 35 (previously presented): The process as recited in claim 26 wherein the first and second polymerization catalysts are both metallocenes.

Claim 36 (previously presented): The process as recited in claim 28 wherein the first and second polymerization catalysts are both metallocenes.

Claim 37 (previously presented): The process as recited in claim 31 wherein the first and second polymerization catalysts are both metallocenes.

Claim 38 (previously presented): The process as recited in claim 33 wherein the first and second polymerization catalysts are both metallocenes.

Claim 39 (previously presented): The process as recited in claim 26 wherein at least one α -olefin wherein R^{18} contains an odd number of carbon atoms is also present.